

MINGEN XIAO

+8613726327876 | mingen_xiao97@163.com | Hong Kong
<https://www.linkedin.com/in/mingen-xiao/> | <https://github.com/Mingen-Xiao>

PERSONAL SUMMARY

- Boasting 3 years of dedicated full-stack development experience, I specialize in architecting and implementing sophisticated software solutions. My expertise encompasses a detailed grasp of web solutions architecture and cutting-edge development technologies, driving successful project development with a confident commitment to innovation.
- In addition to my technical skills, I am a results-oriented team member known for an agile and adaptable approach that efficiently integrates with diverse project management styles. My leadership extends to roles as a company director and store manager, showcasing a proven track record of effective management and leadership capabilities.

EDUCATION

University of Melbourne	<i>Jul 2016 - Jul 2019</i>
<i>Bachelor of Mechanical Engineering</i>	<i>Melbourne</i>

University of Adelaide	<i>Jul 2020 - Jul 2022</i>
<i>Master of Computing & Innovation</i>	<i>Adelaide</i>

GPA: 6.3/7 (Distinction)

SKILLS

• Front End:

React, Node.js, HTML5, JavaScript, CSS, SASS, TypeScript, npm, yarn, Bootstrap, Redux

• Back End:

Node.js, JAVA, C++, Python, SendGrid

• Cloud Services:

AWS

• Database:

MongoDB, MySQL, PostgreSQL

• Architectures:

RESTful APIs, Swagger

• Develops Tools & Platforms:

Jira, GitHub, Postman, Docker, VirtualBox, Matlab, Visual Studio

• Methodologies:

Agile, Scrum, Kanban, Notion, Slack, Wechat, Retros.work

• Version Control System:

Git, SVN

• Social Ability:

Communication, Leadership, Presentations, Problem Solving, Teamwork, Conflict Resolution

PROJECT EXPERIENCE

JR Academy

Jul 2023 - Nov 2023

Full-Stack Developer, SortLog

Adelaide

- Spearheaded the development of SortLog, an innovative inventory management software, serving as one of four primary full-stack developers. Links: <https://sortlog.github.io/SortLog-FrontEnd/>, <https://sortlog.github.io/SortLog-FrontEnd/dashboard>
- Engineered a user-friendly interface, including all pages in the software, for seamless inventory management using **React** and **MUI** components.
- Employed **Node.js** for the backend, implementing robust CRUD operations with **Express.js** and **MongoDB**.
- Orchestrated real-time data interaction through **Axios** and **REST APIs**, ensuring the maintenance of up-to-date inventory information.
- Integrated **Amazon Cognito** to establish secure user authentication and streamline email verification processes.
- Attained advanced functionality such as QR code scanning and SKU generation, resulting in a 30% enhancement in user efficiency.
- Adhered to **agile development** practices and conducted **retrospectives** to foster enhanced collaboration.

JR Academy

Feb 2023 - May 2023

Full-Stack Developer

Adelaide

Led the development of a software data discovery tool as one of three primary full-stack developers in a four-member team:

- Focused on creating a front end using **Python** and **Dash-Bootstrap**, complemented by **HTML5**, **JavaScript**, and **CSS** for an enhanced user interface.
- Implemented **Dash**, **SQL metadata**, and **Python** for the back end, selecting **SQL Server** and **PostgreSQL** as database engines for handling large-scale data analysis involving over 20,000 records.
- Optimized data analysis efficiency by integrating **Plotly.js** and **Redux**, introducing visual features into the database management system.
- Served as **team chairman** and **secretary**, playing a crucial role in fostering the team's adoption of **agile development practices**.
- Links: <https://github.cs.adelaide.edu.au/MCI-projects-2022/Team-19>

4LX PTY LTD

Aug 2022 - Dec 2022

Front-End Developer, CONT9Developers

Adelaide

- Played a crucial role as a key front-end developer in successfully taking charge of spearheading design and development efforts, leveraging **HTML5**, **JavaScript**, and **CSS** to craft an interface tailored for the efficient use of contemporary commercial software.
- Assumed responsibility for constructing **SQL databases**, establishing interaction through **REST APIs**, and implementing **Bootstrap** for design and layout.

- Collaborated within the team to create a robust CI/CD pipeline, significantly streamlining development and deployment processes. This contribution enhanced the overall efficiency and user experience of the software solution.